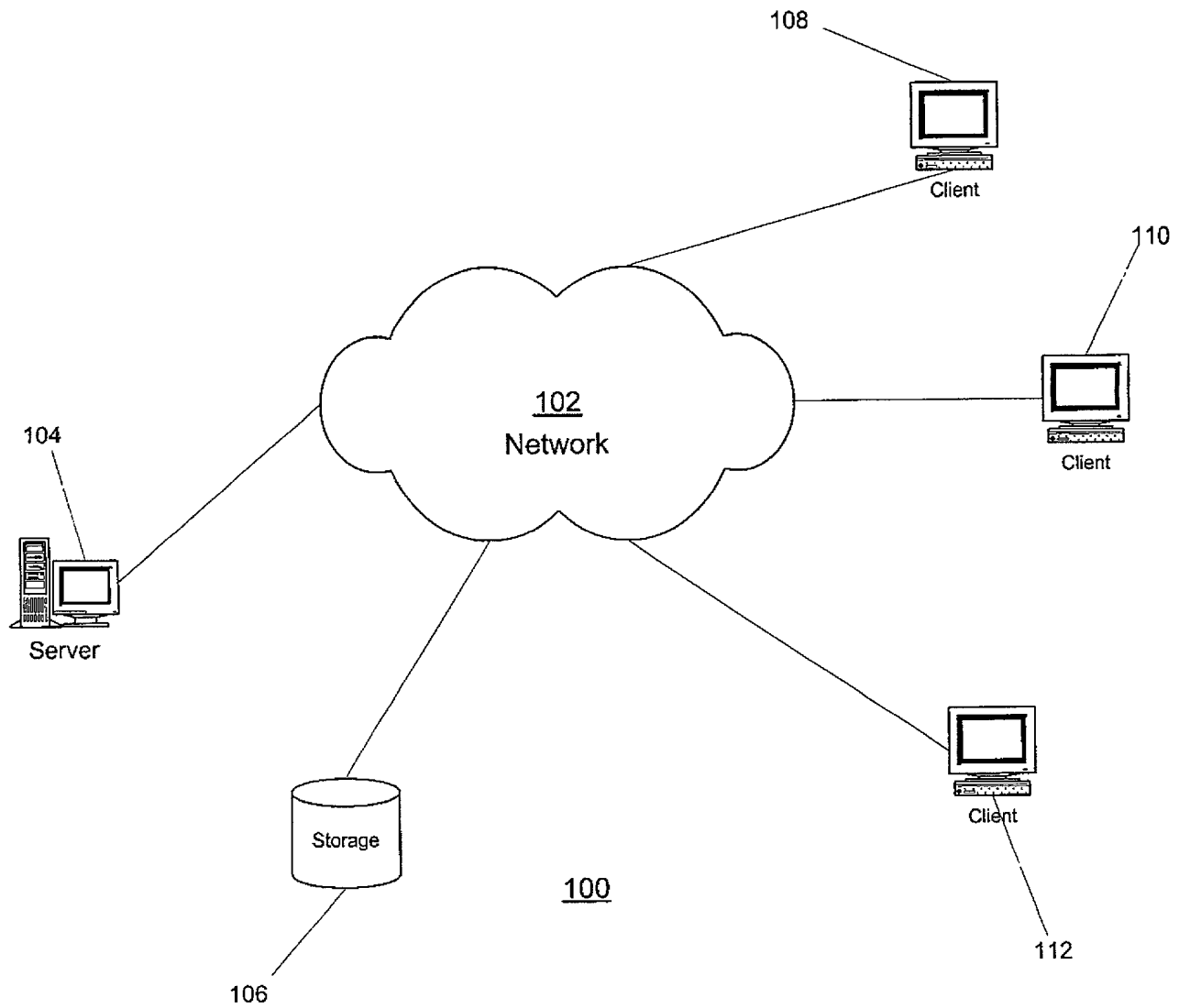
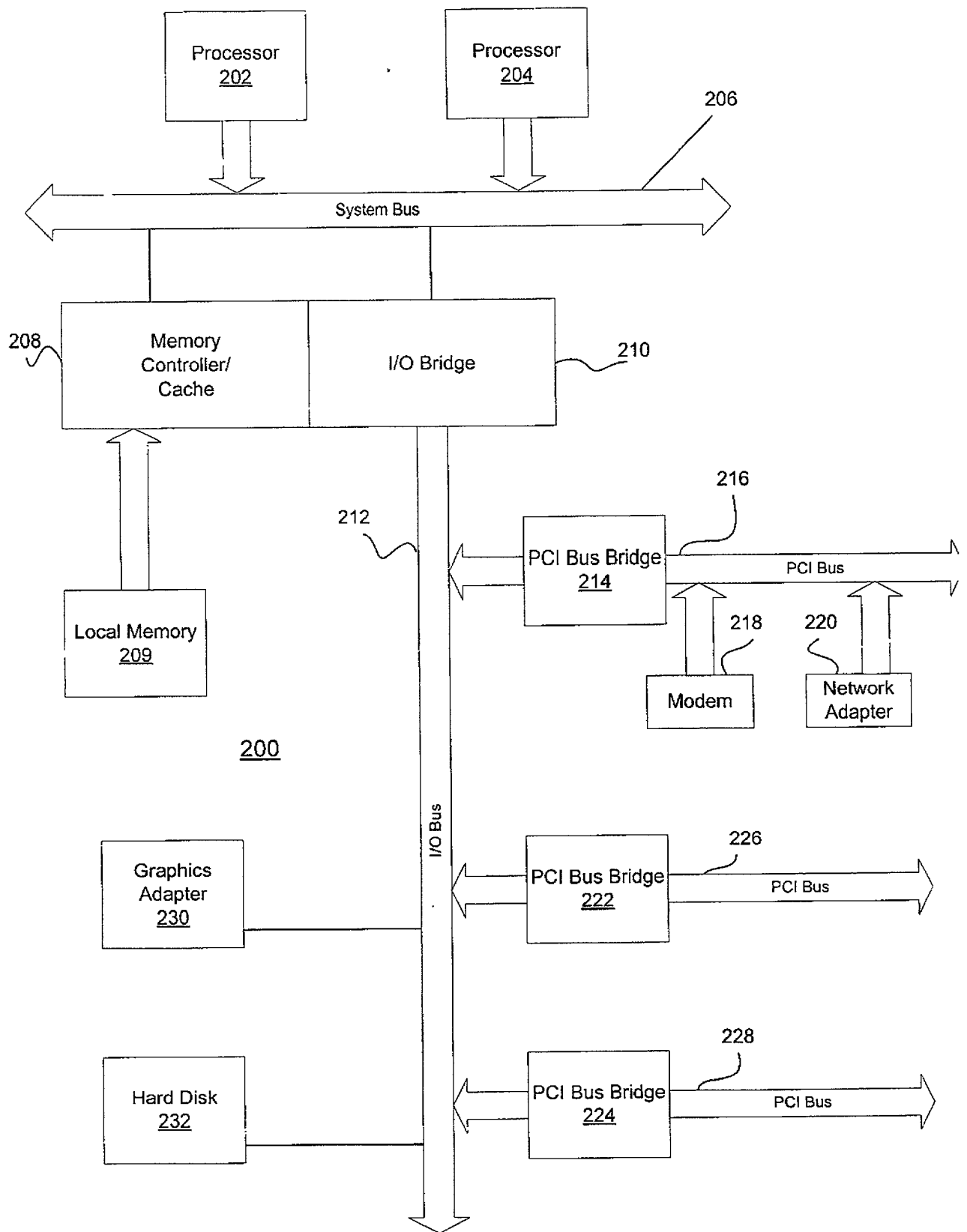


# Figure 1

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**Figure 2**

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FIG. 3 is a block diagram of a computer system 300. The system includes a Processor 302, Host/PCI Cache/Bridge 308, Main Memory 304, Audio Adapter 316, SCSi Host Bus Adapter 312, LAN Adapter 310, Expansion Bus Interface 314, Graphics Adapter 318, Audio/Video Adapter 319, Keyboard and Mouse Adapter 320, Modem 322, Memory 324, Disk 326, Tape 328, and CD-ROM 330. The system is connected to a Bus 306. The SCSi Host Bus Adapter 312 is connected to the Bus 306 and the Disk 326, Tape 328, and CD-ROM 330. The LAN Adapter 310 is connected to the Bus 306. The Expansion Bus Interface 314 is connected to the Bus 306 and the Keyboard and Mouse Adapter 320, Modem 322, and Memory 324. The Graphics Adapter 318 and Audio/Video Adapter 319 are connected to the Bus 306. The Audio Adapter 316 is connected to the Bus 306. The Processor 302, Host/PCI Cache/Bridge 308, and Main Memory 304 are connected to the Bus 306. The system is labeled 300.

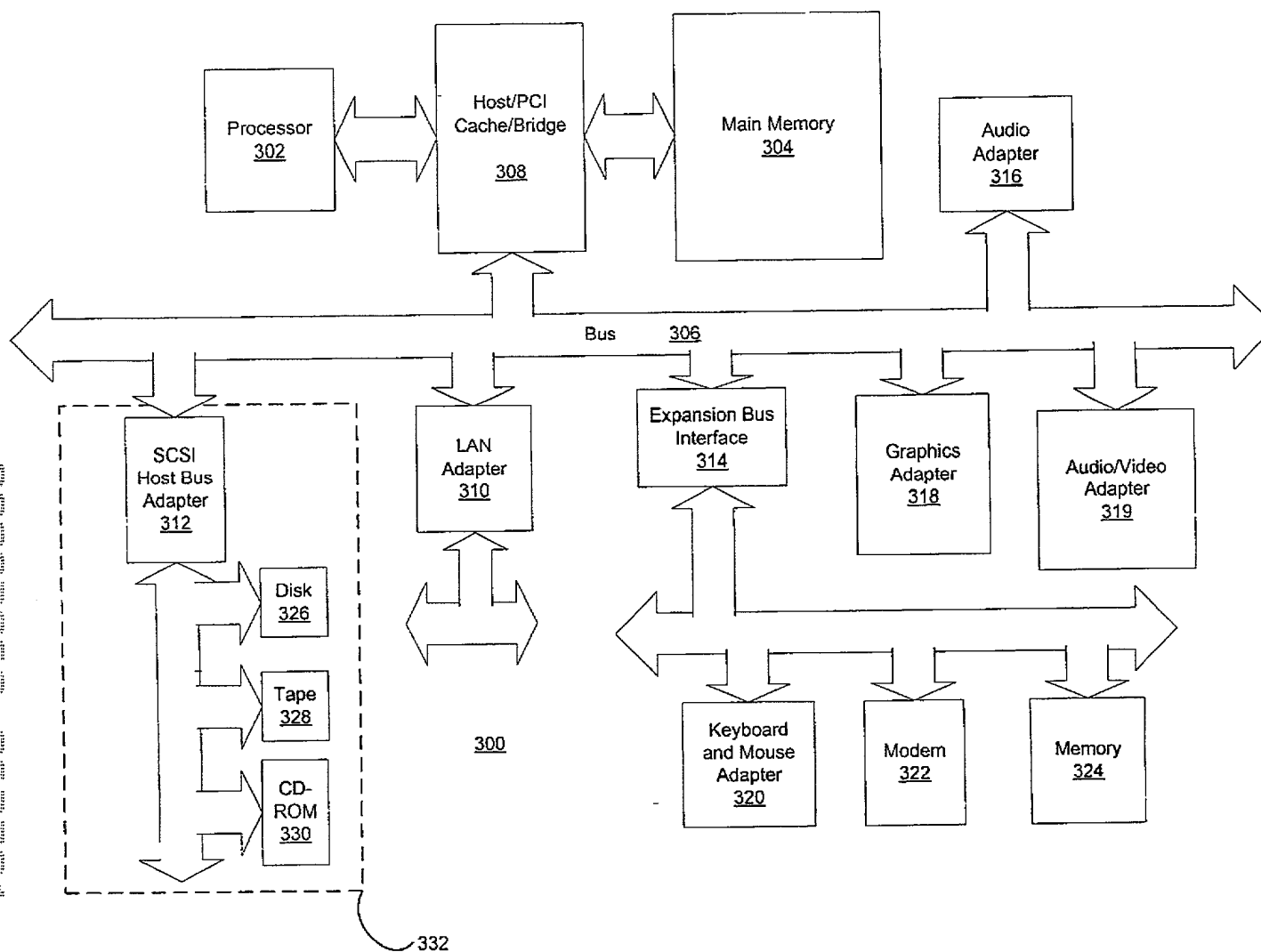


Figure 3

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Start

Invoke recv()  
function  
410

Set Value of  
so\_rcvlen  
420

Enough Data in  
Buffer?  
430

YES

NO

Set SP\_MSGWAITALL flag  
440

Wait for Next Data  
Segment  
450

Data Segment  
Received?  
460

NO

YES

Enough Data in  
Buffer?  
470

NO

YES

Wake-up recv()  
thread  
480

Reset  
SP\_MSGWAITALL  
flag  
490

Copy Data to  
Applicaton Buffer  
500

End

## Figure 4

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Perform Modified  
TCP Input/Output  
Processing  
510

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